

Application Serial No. 10/058,963

IN THE CLAIMS:

- 1-20. (Cancelled)
21. (Currently amended) A computer implemented method comprising:
  - applying a sample to an input of a separation pathway;
  - generating a migratory field in the separation pathway;
  - eluting an analyte of the sample from the separation pathway;
  - collecting the analyte in a collection well without using a detector;
  - to analyze the analyte prior to collection
  - interrupting the migratory field by removing an output end of the separation pathway from the collection well after the collecting; and
  - repeating the collecting and the interrupting, at a predetermined time interval, for a successive analyte and a successive collection well.
22. (Original) The method of claim 21 wherein repeating the collecting and interrupting, at the predetermined time interval includes repeating the collecting and interrupting, at substantially uniformly spaced time intervals.
23. (Previously presented) The method of claim 21 wherein the collecting and interrupting is synchronized with the mobility of the analyte.
24. (Previously presented) The method of claim 21 further comprising analyzing said analyte after the analyte has been collected in respective collection wells.
25. (Previously presented) The method of claim 21 wherein applying the sample includes injecting a biological sample.
26. (Previously presented) The method of claim 21 wherein applying a sample includes injecting a mixture of proteins, macromolecules, nucleotides, carbohydrates, enantiomers, small molecule libraries or natural compounds.
27. (Previously presented) The method of claim 21 wherein generating a migratory field includes applying a potential to the separation pathway.

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28. (Previously presented) The method of claim 21 wherein generating a migratory field includes applying a pressure to the separation pathway.
29. (Previously presented) The method of claim 21 wherein generating a migratory field includes drawing a vacuum in the separation pathway.
30. (Original) The method of claim 21 wherein collecting includes positioning the separation pathway relative to the collection well.
31. (Original) The method of claim 21 wherein repeatedly interrupting the migratory field includes adjusting a potential within the separation pathway.
32. (Previously presented) The method of claim 21 wherein the predetermined time interval is established based on a mobility change of the analyte.
- 33-44. (Cancelled)